

APPENDIX D: Previous Reports to NASA on OBPR Science

Bioastronautics and Fundamental Space Biology

1. A Strategy for Space Biology and Medical Sciences for the 1980s and 1990s, Committee on Space Biology and Medicine, Space Science Board, NRC, 1987
2. Assessment of Programs in Space Biology and Medicine, Committee on Space Biology and Medicine, Space Studies Board, NRC, 1991
3. Radiation Hazards to Crews of Interplanetary Missions: Biological Issues and Research Strategies, National Academy Press 1996
4. Advanced Technology for Human Support in Space, NRC, Aeronautics and Space Engineering Board, Committee on Advanced Technology for Human Support in Space, 1997.
5. A Strategy for Research in Space Biology and Medicine in the New Century, NRC, Space Studies Board, Committee on Space Biology and Medicine, 1998
6. Future Biotechnology Research on the International Space Station, Space Studies Board, NRC, Nat'l Acad. Press, 2000
7. Review of NASA's Biomedical Research Program, NRC, Space Studies Board, Committee on Space Biology and Medicine, 2000
8. Safe Passage: Astronaut Care for Exploration Missions, IOM, Board on Health Sciences Policy, Committee on Creating a Vision for Space Medicine During Travel Beyond Earth Orbit, 2001.

Physical Sciences

1. Toward a Microgravity Research Strategy. Committee on Microgravity Research, Space Studies Board, NRC, 1988
2. Space Science in the Twenty-First Century: Imperatives for the Decades 1995 to 2015—Fundamental Physics and Chemistry, Task Group on Fundamental Physics and Chemistry, Space Studies Board, NRC, 1988
3. Microgravity Research Opportunities for the 1990's, Space Studies Board, Commission on Microgravity Research, NRC, 1995
4. Future Materials Science Research on the International Space Station, National Materials Advisory Board, NRC, 1997.
5. Microgravity Research in Support of Technology for the Human Exploration and Development of Space and Planetary Bodies, Space Studies Board, NRC, 2000
6. Future Biotechnology Research on the International Space Station, National Academy Press 2000
7. The Mission of Microgravity and Physical Sciences Research at NASA, NRC, 2000
8. Readiness Issues Related to Research in the Biological and Physical Sciences on the International Space Station, Space Studies Board (Phase 1 Report TGRISS 2001)

Space Product Development

1. A Review of the Centers for the Commercial Development of Space: Concept and Operation, National Academy of Public Administration (NAPA) 1994
2. Engineering Research and Technology Development on the Space Station, National Research Council, 1996
3. The International Space Station Commercialization Study, Potomac Institute for Policy Studies, 1997
4. Reflections on the Commercial Space Center (CSC) Program, National Academy of Public Administration, June, 1998.
5. Commercial Space Act, 1998. Public Law 105-303.
6. NASA: Commerce and the International Space Station, KPMG report, November, 1999. Report available on-line at <http://commercial.hq.nasa.gov>
7. Future Biotechnology Research on the International Space Station, Space Studies Board, Task Group for the Evaluation of NASA's Biotechnology Facility for the International Space Station, Space Studies Board, NRC, 2000
8. X-ray Crystallography Facility at the Center for Biophysical Sciences and Engineering, University of Alabama at Birmingham, (2000), prepared by an external review panel commissioned by NASA management

Setting Science Priorities

1. Setting Priorities for Space Research: Opportunities and Imperatives, National Academy Press, 1992
2. Setting Priorities for Space Research: An Experiment in Methodology, National Academy Press, 1995
3. Institutional Arrangements for Space Station Research, Aeronautics and Space Engineering Board, Space Studies Board, NRC, 1999
4. Setting Priorities and Coordinating Federal R&D Across Fields of Science: RAND: A Literature Review; Executive Summary and Annotated Bibliography, National Science Board DRU-2286/1-NSF, April 2000
5. Federal Research Resources: A Process for Setting Priorities, National Science Board, October 11, 2001
6. Federally Funded Research: Decisions for a Decade, U. S. Congress, Office of Technology Assessment, OTA-SET-490 (Washington, DC: U. S. Government Printing Office, May 1991) Chapter 5, Priority Setting in Science
7. NASA Decadal Plan, NASA, 2000